

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

Claims 1. - 19. (Canceled)

20. (Currently Amended) A filling device for filling conductive balls, after setting a mask on a substrate, in a plurality of apertures in the mask for disposing conductive balls on the substrate, the device comprising:

a head including a means for gathering conductive balls toward an area that is part of a surface of the mask from around the area; and

a head supporting ~~means~~ device for supporting the head ~~so as to move and moving the head~~ along the surface of the mask; and

a ball supplying device for supplying conductive balls to the area, the ball supplying device being mounted on the head supporting device and moving together with the head.

21. (Currently Amended) The filling device according to Claim 20, wherein the head supporting ~~means~~ device is capable of moving the head across the surface of the mask in at least one of an arbitrary direction, a direction that traces a zigzag, and a direction that traces a spiral.

22. (Currently Amended) The filling device according to Claim 20, wherein the head supporting means device includes a means for rotating the head about a shaft that is perpendicular to the mask and a means for moving the shaft across the surface of the mask,

and the means for gathering conductive balls moves conductive balls, by rotating the head, toward the area that is a circular area centered on a center of rotation of the head.

23. (Original) The filling device according to Claim 22, wherein the means for gathering conductive balls is a sweeper for sweeping a part of the surface of the mask around the circular area by using members that protrude from the head or by blowing out gas.

24. (Original) The filling device according to Claim 23, wherein the sweeper presses the part of surface of the mask around the area by using the members that protrude from the head or by blowing out gas.

25. (Original) The filling device according to Claim 22, wherein the means for gathering conductive balls includes a plurality of squeegees that protrude from the head toward the surface of the mask and sweep a part of the surface of the mask around the circular area.

26. (Original) The filling device according to Claim 25, wherein the plurality of squeegees extend in a tangential direction for the circular area.

27. (Original) The filling device according to Claim 25, wherein the plurality of squeegees are arranged so as to overlap in a direction of movement thereof.

28. (Original) The filling device according to Claim 25, wherein the plurality of squeegees press the part of the surface of the mask the circular area.

29. (Original) The filling device according to Claim 20, wherein the means for gathering conductive balls includes a nozzle for sweeping together conductive balls by blowing out gas from the head to the around the area.

30. (Original) A mounting apparatus comprising:  
a filling device according to Claim 20; and  
a device for setting the mask on a substrate.

Claims 31. - 35. (Canceled)

36. (Newly Added) The filling device according to Claim 20, wherein the ball supplying device supplies conductive balls to the area during movement of the head at predetermined time intervals and/or based on ball density of the area.